



**Installation
Instructions**

**HARLEY DAVIDSON FL 2009 - current
RINEHART Racing
Classic True Dual Exhaust System**

REV. 1-14-2015

ITEMS SUPPLIED

Description	Part Number	Qty
Rear Header Pipe & Heat Shield		1ea.
Front Header Pipe & Heat Shield		1ea.
Left & Right True Dual Mufflers		1ea.
2 1/8" Barrel Clamp	16-006S	2
1 13/16" Barrel Clamp	16-0012S	1
2 1/4" Stainless Clamp	16-00285	8
2" P Clamp	17-0022C	1
Exhaust Gaskets	20-00003	1pr
Classic header "L" Tab Bracket	25-00300Z	1
TD Starter Bracket	25-7009B	1
1" 4-Hole Rear Footpeg spacer	29-00301B	1
5/16-18 x 5/8" Hex Bolt	35-00002	4
5/16-18" Locking Nut	35-00005	5
5/16" Flat Washer	35-00007	5
O2 Bung Plug 12mm	35-00085BA	1pr
O2 Bung Plug 18 mm	35-00083BA	2
5/16-18 x 3/4" Button Head Allen	35-00084	1
5/16" Star Washer	35-00008	1
1/2" Spacer	29-00028B	1
1/2" Front Floorboard peg spacer	29-00300B	1
3/8-16 x 1.75" Socket Head Bolt	35-00306	1
3/8-16 x 2.5" Socket Head Bolt	35-00303	1
3/8-16 x 3.25" Socket Head Bolt	35-00308	1
5/16"-18 x 2" Socket Head Bolt	35-00302	1
3/8 Flat Washer	35-00037	1
Instructions & Warranty Sheets		

PLEASE NOTE

Our warranty applies only when the system is installed correctly and used for its intended purpose. Warranty does not apply when damage is the result of normal wear and tear, improper use, neglect or incorrect engine configuration. See warranty notice in box for more information.

Thank you for buying a RINEHART exhaust system. We are committed to providing you a quality product that with the proper installation and care will last you for many years to come.

Please be sure to read the instructions fully and inspect all components of your new system before installation. If you need help removing your stock mufflers and/or head pipes, or how to install the Rinehart Racing exhaust system, please consult our factory or a professional mechanic. Please keep all OEM parts as some may be used for the installation of the RINEHART exhaust system. If you are installing the system and are not the owner, please return these instructions to the owner as they contain important information that may be required at a later date.

If you have questions pertaining to the installation, please contact our technical service department: 1.877.264.8282 or www.rinehartracing.com.

Exhaust systems manufactured by Rinehart Racing are non-catalyst. A stock catalyst exhaust system cannot be replaced with a non catalyst exhaust system. Please verify the application with your dealer before purchase.

INSTALLATION INSTRUCTIONS

1. Remove left and right saddlebags.
2. Remove right side front floorboard and left passenger floorboard.
3. Remove OEM mufflers.
4. Remove OEM heat shields from both exhaust pipes.
5. Loosen OEM rear pipe clamp.
6. Remove OEM rear pipe and O2 sensor if applicable.
7. Remove OEM exhaust bracket clamp from front pipe.
8. Remove OEM exhaust flange nuts (4ea).
9. Remove OEM front pipe and O2 sensor if applicable.
10. Remove and discard OEM exhaust gaskets. It may be necessary to pry them out with a scribe or small screw driver. Use caution not to damage cylinder heads.
11. Carefully remove OEM exhaust flanges and retaining rings. Do not damage or distort retaining rings. If possible use snap ring pliers. Replace damaged retaining rings. OEM flanges and retaining rings are used with the RINEHART system.
12. Install OEM exhaust flanges followed by the retaining rings on RINEHART header pipes. NOTE: Machined recess on the exhaust flange faces retaining ring.
13. Install new exhaust gaskets (supplied) into exhaust ports.
14. Install new TD starter bracket (supplied) using OEM bolts. Torque to 14-18ft lbs. Tab on bracket should face the REAR of the bike.

DISCOLORATION AND TUNING

Discoloration of exhaust is generally a result of fuel calibration tuning. In addition, discoloration can be the result of electrical issues or engine malfunction. Discoloration is not a warrantable item. CATALYST EQUIPPED MOTORCYCLES: Adjusting the fuel calibration and/or timing of an engine that is equipped with a catalyst equipped exhaust is likely to result in discoloration of Rinehart Racing slip on mufflers and will not be warrantied. As such, Rinehart Racing discourages altering or adjusting the OEM stock fuel calibration and/or timing of an engine that is equipped with a catalyst equipped exhaust.

Also, adjustment of fuel injection is REQUIRED to optimize performance and minimize chrome discoloration. We recommend that adjustment of fuel injection be performed by QUALIFIED technicians on a dynamometer utilizing an Exhaust Gas Analyzer.

EMISSIONS NOTICE

The State of California does not permit the use of aftermarket exhaust systems that remove original equipment catalysts unless a California Air Resources Board (CARB) Executive Order has been issued. Exhaust systems that remove original equipment catalysts are legal in California for racing use only.

CLEANING

Never use harsh chemicals or any type of abrasive material to clean the chrome or ceramic coating on this exhaust system. We recommend using a soft non-abrasive cloth with a mild detergent.

CONTACT US

Rinehart Racing
1-877-264-8282
www.rinehartracing.com

15. Install front header pipe and install O2 sensor, torqued to manufacturer specifications. Leave exhaust flange nuts loose.
16. Install "P" clamp onto the front header pipe using OEM bolt and nut.
17. Finger tighten front cylinder exhaust flange nuts.
18. Install a 2 1/8" barrel clamp (supplied) onto inlet end of right muffler. NOTE: We recommend applying a bead of Permatex Ultra Copper High Temp silicone Sealer to muffler inlet. Now slide muffler assembly onto right front header pipe. Install and center two 5/16" hex bolts (supplied) into muffler mounting bracket and install through OEM rear bracket assembly. Install 5/16" x 18 locking nuts (supplied) and tighten. Torque 13-15ft. lbs.
19. Tighten front cylinder exhaust flange nuts. Torque 10-12ft. lbs.
20. Tighten "P" clamp. Torque 13-15ft. lbs. Tighten 2 1/8" barrel clamp on right muffler. Torque 8-10ft. lbs.
21. Install front heat shield.
22. It may be necessary to loosen starter wire terminals and reposition wires toward main frame covers. Retighten wire terminals.
23. Install Header "L" tab bracket and 1 13/16" barrel clamps (supplied) on rear pipe. Leave loose for adjustment. See Fig 3.
24. Install heat shield on rear cylinder header pipe with clamps. Do not fully tighten clamps.
25. Install rear cylinder header pipe with heat shield and O2 sensor, torqued to manufacturer specifications. Finger tighten the exhaust flange nuts.
26. Install 5/16 x 3/4" Button Head Allen Bolt (supplied) through L and starter mounting bracket. Use 5/16" flat washer on both sides. Finger tighten.
27. Install left side muffler assembly with barrel clamp onto rear cylinder header pipe. NOTE: We recommend applying a bead of Permatex Ultra Copper High Temp Silicone Sealer to inside through OEM rear bracket assembly. Install 5/16 x 5/18" Hex Bolts (supplied) into muffler mounting bracket and install through OEM rear bracket assembly. Install 5/16 x 18 locking nuts (supplied) and tighten. Torque 13-15ft. lbs.
28. Ensure there's at least 1/4" clearance between the rear cylinder heat shield and the rear vertical frame tube, and then tighten.
29. Tighten 1 3/16" barrel clamp. Torque 8-10ft. lbs.
30. Tighten rear cylinder exhaust flange nuts. Torque 10-12ft. lbs.
31. Tighten left muffler barrel clamp. Torque 8-10ft. lbs.
32. Tighten rear heat shield clamps.
33. Install right hand floor board using 3/8"-16x 3.25" bolt, OEM nut, and 1/2 "round spacer for the front (place between frame and floorboard), and 3/8 - 16 x 1.75" and peg spacer for the rear bolt. Reinstall Passenger footpeg with 1" spacer provided and 3/8"-16 x 2.5" bolt for top hole and 5/16"-18 x 2" for lower hole.

34. **Important!** Wipe down complete system *before* starting bike to remove any finger prints or dirt.
Note: Finger prints that are not removed before running will become permanently etched in the pipes.

Enjoy your new Rinehart System.

IMPORTANT-- Check all fasteners after first ride and again at all service intervals.

RETURN & REFUND POLICY

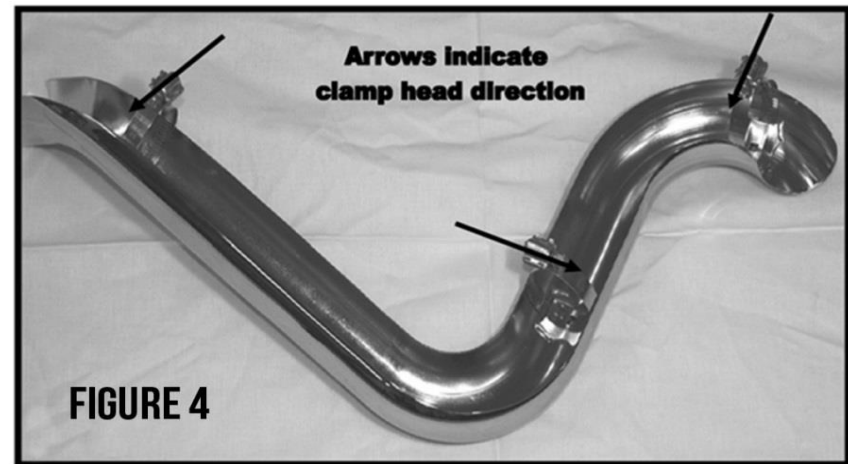
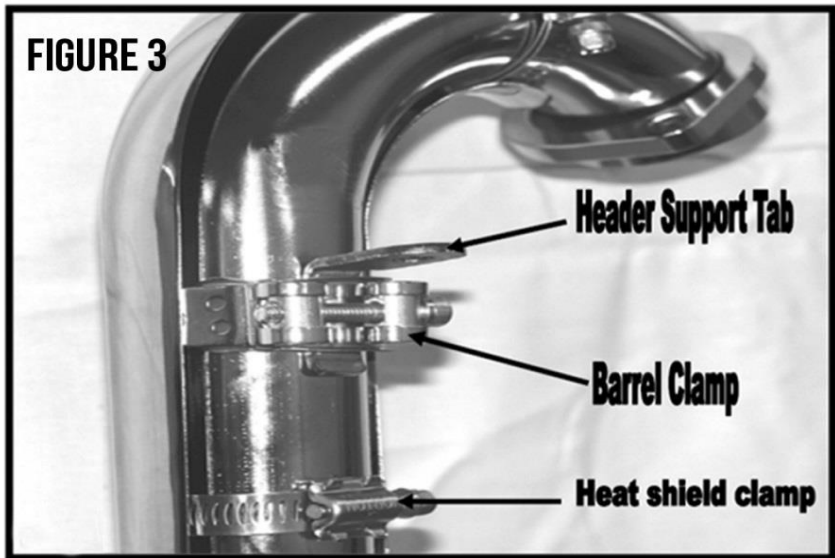
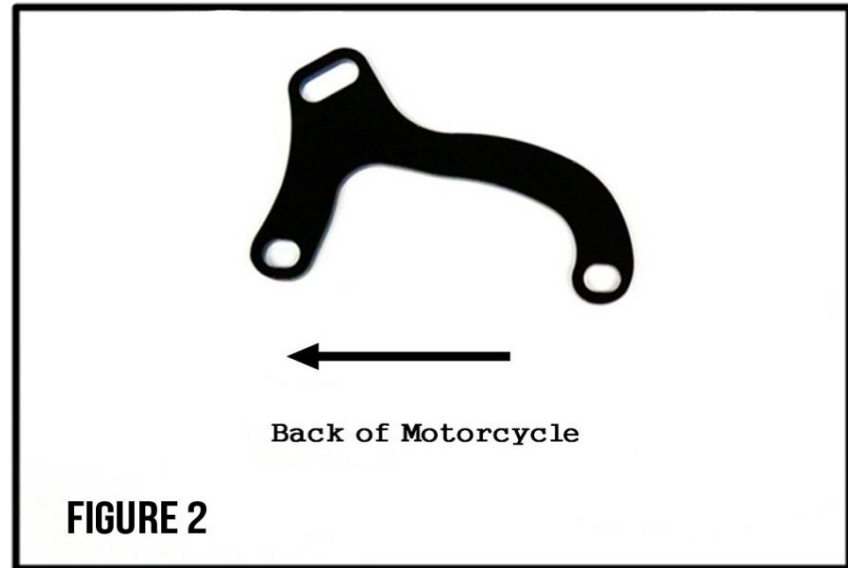
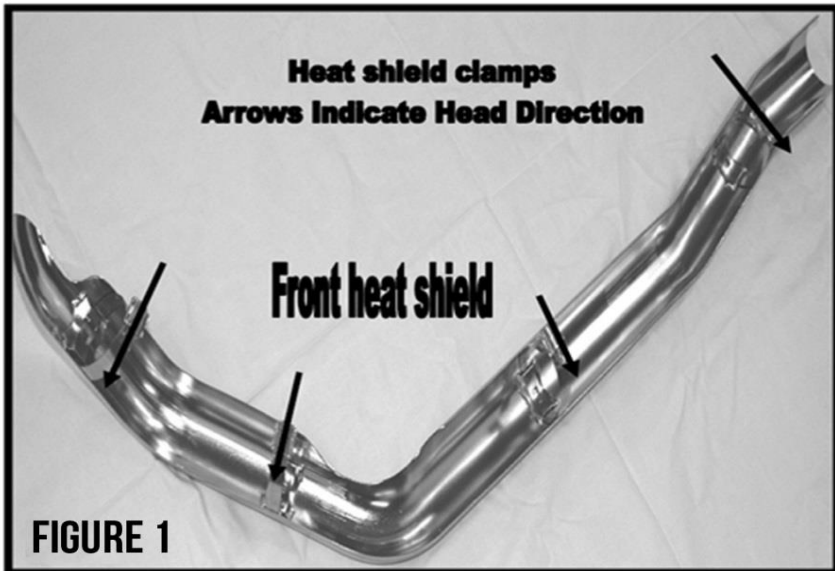
No return of merchandise will be accepted without first securing a Return Merchandise Authorization ("RMA") number provided by Rinehart Racing. Buyer must submit, in writing, evidence of purchase date, copy of invoice indicating goods purchased, reason for return, exchange or refund, and RMA number. At its sole discretion, Rinehart Racing may accept or deny the claim for return, exchange or damage. If accepted and if the goods have not be used and are in a resalable condition, Company shall provide refund within 30 days of purchase; subject to a fifteen percent (15%) restocking fee. If the product has been installed, no refund, return or exchange shall be allowed. No refund, return or exchange is allowed after 45 days from the date of invoice. Buyer is responsible for return freight, and must include all original packaging, materials, manuals, hardware and copy of invoice. All products returned must be securely packed and delivered to Company in an undamaged condition. Rinehart Racing may refuse or reject returned product for failure to follow the conditions set forth herein.

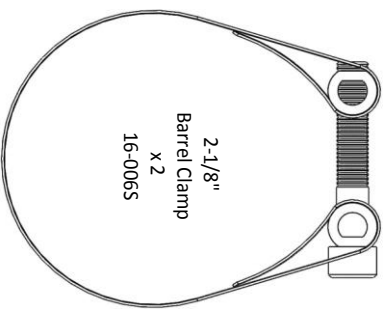
LIMITED WARRANTY

This Limited Warranty contains the sole express warranty made by Rinehart Racing ("Company") in connection with exhaust products sold by Company ("Product"). BY PURCHASING OR ACCEPTING THE PRODUCT, THE BUYER ACKNOWLEDGES THAT THE LIMITATION OF LIABILITY IS PART OF THE TERMS OF SALE, CONSTITUTES A BINDING AGREEMENT, AND MAY BE ENFORCED AGAINST YOU BY COMPANY. Any warranties, if separately provided in writing, are extended only to the Buyer whose name is shown on Company's invoice.

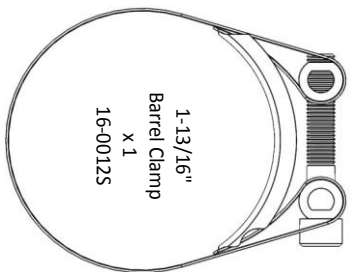
Rinehart Racing exhaust products are warranted against defects in material or workmanship for a period of 18 months from the date of the original invoice. This does not cover finishes such as plating or painted surfaces with discoloration or rust. Discoloration is not a warrantable item and is a result of improper fuel calibration. This warranty shall be limited to the repair or replacement of the defective part, which may be proven defective under normal use. Rinehart Racing will not warranty any product that has been abused, misused, improperly installed, or modified. Any part that is repaired or replaced under this warranty will, itself, be warrantied only for the remainder of the warranty period of the original product being repaired or replaced. This warranty is non-transferable and is limited to the original retail purchaser.

BUYER'S SOLE AND EXCLUSIVE REMEDY AND RINEHART RACING'S SOLE LIABILITY FOR LOSS OR DAMAGE ARISING FROM PURCHASE OR USE OF THE PRODUCT SHALL BE LIMITED TO REPAIR OR REPLACEMENT OF THE DEFECTIVE PART AT COMPANY'S SOLE DISCRETION. IN NO EVENT SHALL COMPANY BE LIABLE FOR ANY LOSS OF USE, REVENUES, OR ANTICIPATORY PROFIT, OR FOR ANY DIRECT, INDIRECT OR CONSEQUENTIAL DAMAGES ARISING OUT OF OR CONNECTED WITH THE SALE, USE, OPERATION, OR INABILITY TO USE OF PRODUCTS PURCHASED FROM COMPANY TO THE EXTENT PERMITTED BY LAW, COMPANY MAKES NO OTHER REPRESENTATIONS OR WARRANTIES, WHETHER EXPRESSED OR IMPLIED, INCLUDING WITHOUT LIMITATION, WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, AND ALL SUCH WARRANTIES ARE EXPRESSLY DISCLAIMED. IN NO EVENT SHALL COMPANY'S LIABILITY EXCEED THE AMOUNT OF THE PARTICULAR DEFECTIVE PRODUCT PAID BY THE PURCHASER. THIS LIMITATION OF LIABILITY SHALL BE APPLICABLE TO ANY CLAIM PRESENTED, WHETHER THE LEGAL THEORY FORMING THE BASIS OF SUCH CLAIM INVOLVES CONTRACT, TORT, NEGLIGENCE, STRICT LIABILITY, STATUTE, REGULATION, CONSUMER PROTECTION LAWS OR OTHERWISE.

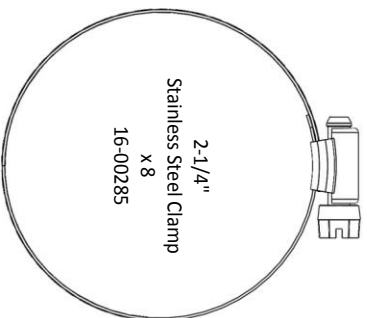




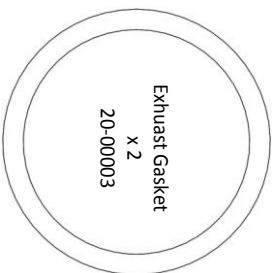
2-1/8"
Barrel Clamp
x 2
16-0065



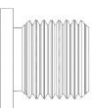
1-13/16"
Barrel Clamp
x 1
16-00125



2-1/4"
Stainless Steel Clamp
x 8
16-00285



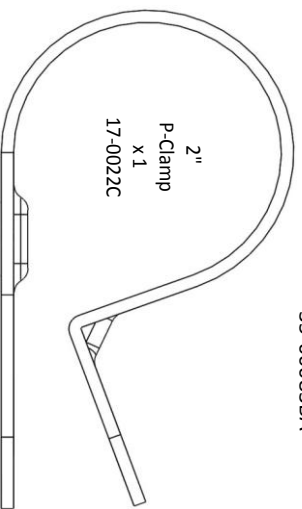
Exhaust Gasket
x 2
20-00003



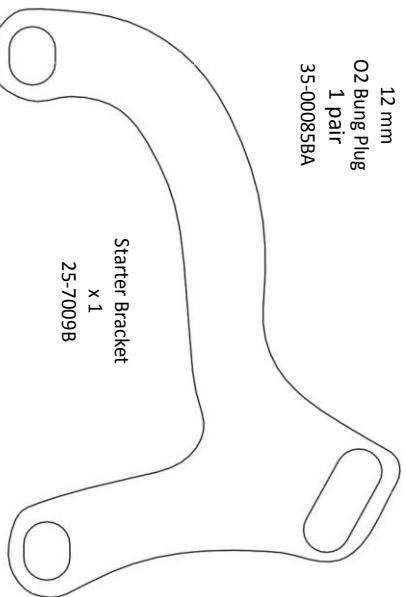
18 mm
O2 Bung Plug
x 2
35-00083BA



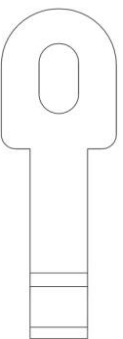
12 mm
O2 Bung Plug
1 pair
35-00085BA



2"
P-Clamp
x 1
17-0022C



Starter Bracket
x 1
25-7009B



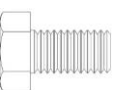
L-Tab Bracket
x 1
25-00300Z



1/2"
Front Floorboard Spacer
x 1
29-00028B



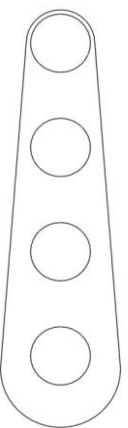
1/2"
Front Floorboard Peg Spacer
x 1
29-00300B



5/16" x 5/8"
Hex Bolt
x 4
35-00002



5/16"
Locking Nut
x 5
35-00005



1"
4 - Hold Rear Footpeg Spacer
x 1
29-00301B



5/16"
Flat Washer
x 5
35-00007



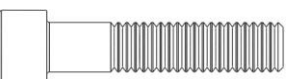
3/8"
Flat Washer
x 1
35-00037



5/16"
Star Washer
x 1
35-00008



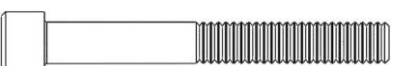
5/16" x 3/4"
Burton Head Allen Bolt
x 1
35-00084



3/8" x 1-3/4"
Socket Head
Cap Screw
x 1
35-00306



5/16" x 2"
Socket Head
Cap Screw
x 1
35-00302



3/8" x 2-1/2"
Socket Head
Cap Screw
x 1
35-00303



3/8" x 3-1/4"
Socket Head
Cap Screw
x 1
35-00308